

Comparisons of Job Characteristics

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 27

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Food Production	2.1	19.4	4.9	<<	Extensive education and/or training may be required
Chemistry	4.8	13.0	4.2	<<	Extensive education and/or training may be required
Building and Construction	4.0	9.1	15.0	>>	Current knowledge level is likely more than sufficient
Mechanical	6.8	7.9	13.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Agricultural Equipment Operators (45-2091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation and Control	5.4	12.6	13.4	0	Current skill level may be sufficient
Operation Monitoring	6.6	12.0	10.0	<	A higher skill level may be required
Repairing	3.4	8.7	6.4	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	8.7	6.6	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.5	7.5	<	A higher skill level may be required
Equipment Maintenance	3.5	8.3	6.9	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 94				
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Agricultural Equipment Operators (45-2091)						
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation		
Control Precision	6.6	12.6	12.6	0	Current ability level may be sufficient	
Multilimb Coordination	6.0	12.3	13.2	0	Current ability level may be sufficient	
Depth Perception	5.3	10.6	12.2	>	Current ability level is likely sufficient	
Hearing Sensitivity	5.6	10.5	8.1	<	Some improvement in abilities may be required	
Reaction Time	4.8	10.2	9.7	0	Current ability level may be sufficient	
Rate Control	3.8	9.0	8.6	0	Current ability level may be sufficient	
Response Orientation	4.0	8.6	8.7	0	Current ability level may be sufficient	

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 69
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Agricultural Equipment Operators (45-2091)		
Work Activities	Exclusivity of Activity	
Operate power driven pumps	66	
Operate tractor with accessories or attachments	76	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 80
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Agricultural Equipment Operators (45-2091)		
Tools and Technologies	Exclusivity	
Agricultural machinery for harvesting	35	
Agricultural machinery for planting and seeding	33	

Agricultural machinery for soil preparation	35
Conveyors and accessories	18
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Finance accounting and enterprise resource planning ERP software	2
Forestry machinery and equipment	31
Garden tools	12
Heavy equipment components	21
Lifting equipment and accessories	3
Power tools	2
Product and material trailers	24
Product and material transport vehicles	13
Pumps	9
Specialized and recreational vehicles	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.